



Inquiring Minds Want to Know

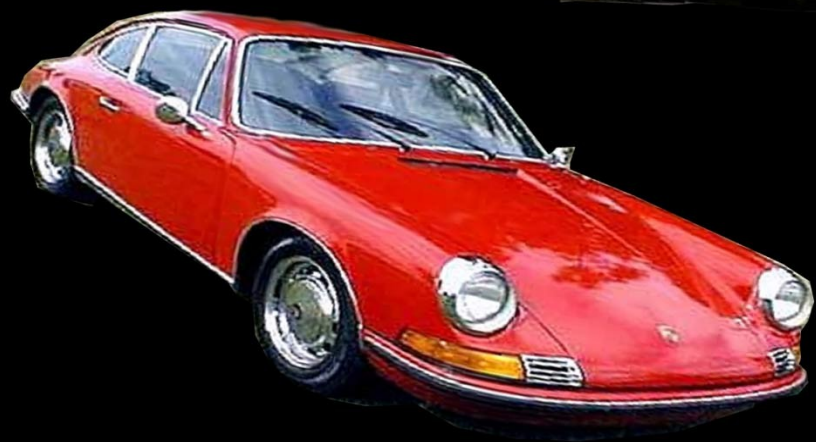
RDML Mark Milliken

**Deputy Assistant Secretary of the
Navy (International Programs)**

January 14, 2004

Recent Assignments

Date	Duty
Oct 1988	XO & CO "Bluetails" of VAW-121 (participated in Operation Desert Shield)
Feb 1991	CO Carrier Airborne Early Warning Weapons School
June 1992	XO USS CONSTELLATION
Feb 1994	COS for Commander, Carrier Airborne Early Warning Wing Pacific
Dec 1994	CO USS LASALLE, Sixth Fleet Flag/Command Ship (homeported in Gaeta, Italy)
May 1996	Seventh Fleet Assistant Chief of Staff for Ops (Yokosuka, Japan)
Aug 1997	CO USS INDEPENDENCE (CV 62) (Yokosuka, Japan)
Sept 1998	EA to Supreme Allied Commander, Europe/Commander in Chief, U.S. European Command (Mons, Belgium)
Nov 2000	Deputy Commander, US Naval Forces Central Command (Tampa, FL)





Artist Conception of Littoral Battlespace



Navy/Industry International Dialogue



**Inquirin
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Want to
Know!**

Inquiring Minds Want to Know

- **When will the contract be awarded?**
- **Will the LCS configuration be solidified at the time of contract award?**
- **Will there be business opportunities after contract award (e.g. subcontracts, selection of subsystems, etc.)**
- **What IPO involvement is there, if any?**

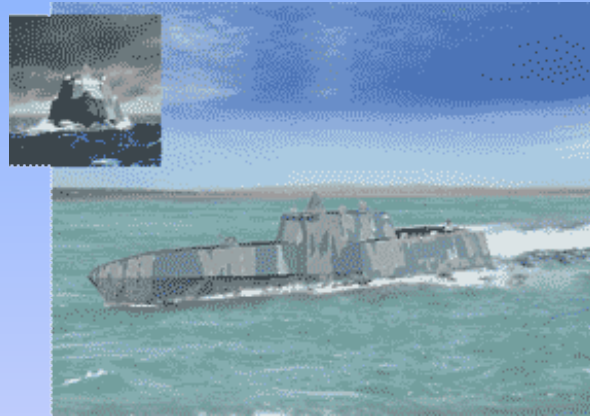
LCS Agenda

Welcome	Lt General Lawrence Farrell, Jr., USAF (Ret.),	President & CEO- NDIA
Introduction	RDML Mark Milliken	DASN (IP)
Command Support	VADM Phillip M. Balisle	Commander NAVSEA
The Program	RDML Charlie Hamilton	PEO Ships
Network Centricity	Mr. John Borrow	Integrated Warfare Support
Littoral and Mine Mission Module	RDML Dennis Morral	PEO Littoral and Mine Warfare
Requirement	RDML (Select) Ray Spicer	Dep Dir Surface Ships (CNO N76E),
Scope of Work	Mr. Jim Heller	PMS-501

LCS Artist Conceptions



- **Lockheed Martin Naval Electronics & Surveillance Systems - Surface Systems**





- **General Dynamics - Bath Iron Works**

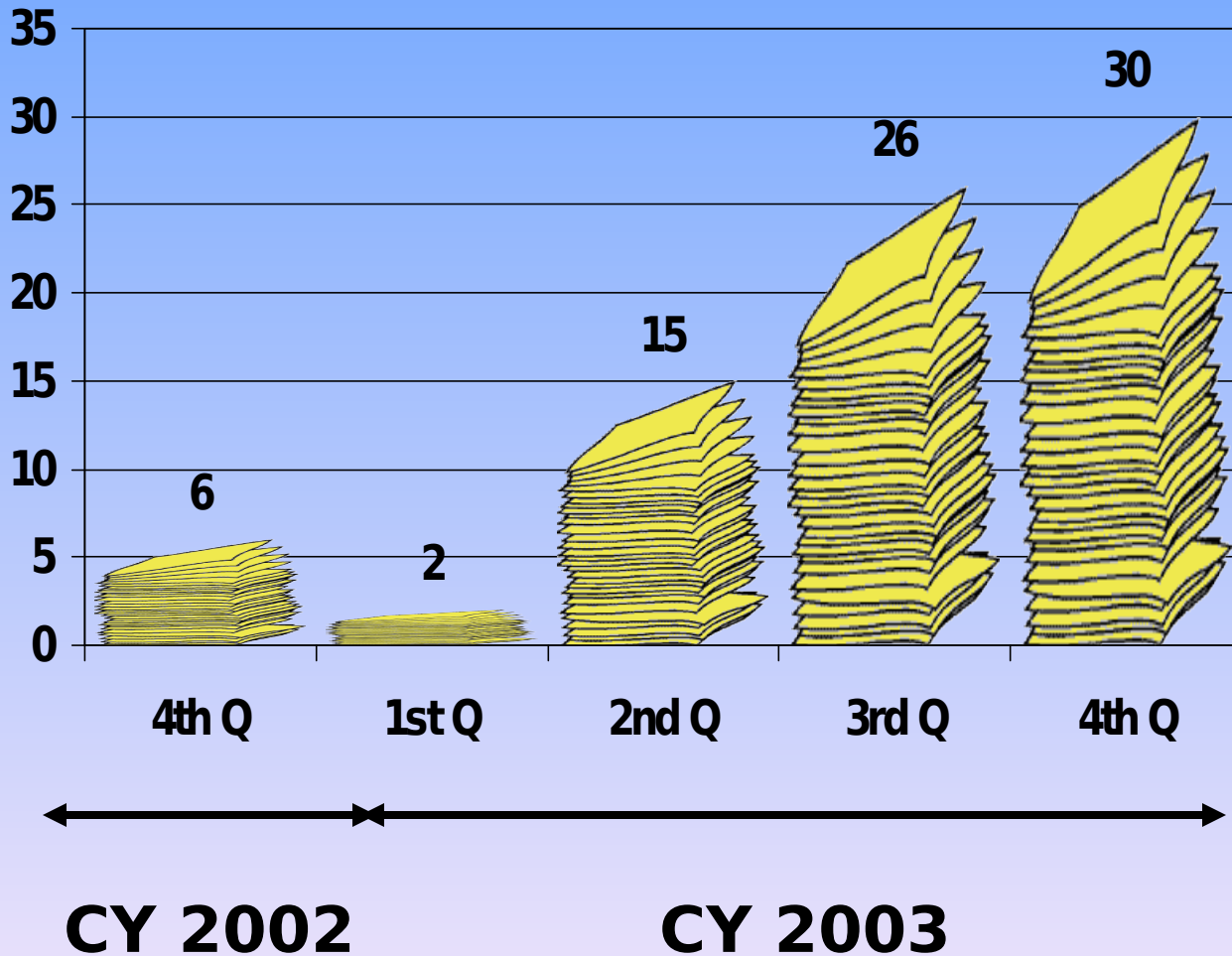


- **Raytheon Co., Integrated Defense Systems**

Recent Contracting Milestones

Milestones				
CY 2002	CY 2003			CY 2004
 Award of Focused - Mission High Speed Ship (FMHSS) concept studies to 6 companies		 Award of Flight 0 LCS Preliminary Design to <ul style="list-style-type: none">• General Dynamics - Bath Iron Works• Lockheed Martin Naval Electronics & Surveillance Systems - Surface Systems• Raytheon Co., Integrated Defense Systems		

LCS Export License Activity



- More than half the licenses were Technical Assistance Agreements (where a two-way dialog occurs between the U.S. and foreign contractors)
- A few were marketing licenses

Gov't to Gov't Cooperation

- **Program designed primarily for industry-to-industry cooperation (vice Gov't-to-Gov't cooperation), however, some tangential agreements have occurred:**
 - **Skjold**
 - **Visby**
 - **ICOG**

Skjold

- **Project Arrangement signed between US Navy and Norwegian Navy in Feb 02**
- **This PA was first under the US/Norway Technology Demonstrator System Prototype (TDSP) MOU**
- **SKJOLD participated in several USN exercises, and was concluded in July 2001. run on several test ranges from February to August 2002**
- **SKJOLD capabilities have sparked interest in the U.S. Navy in terms of Littoral Combat Ship requirements**



Swedish Visby Class Corvette



Currently negotiating Project Arrangement (PA) under Swedish Technical Research & Development Program (TRDP) for

- **joint study on Littoral ship design & technology, and IR measurements on Visby and US LCS prototype**
- **Planned signature Spring/Summer 2004**

International Cooperation Opportunities Group

#	Task	Type	Lead Nation
1	Future Propulsion and Power Generation Tech, Fuel Cell implementation	Platform	Germany
2	Mission Module Concepts	Mission Module	UK
3	Integrated Antenna Systems	Mission Module	France
4	Gun Modules and Extended Capability	Mission Module	Italy
5	Common Opto-Electric Laser Detection Systems (COLDS)	Mission Module	Germany
6	UAV Recovery Underway	Mission Module	France
7	Interfaces, Standards and Interoperability and Open Architecture	Mission Module	U.S.
8	Rules, Regulations and Standards for Composite	Mission Module	U.S.

ICOG Way Ahead

- **Identify experts for each of the study groups in each country**
- **Identify what effort has already been done**
- **When appropriate use existing DEAs to exchange government owned data.**
- **Evaluate need for additional effort, collaborative MOUs**

Disclosure

- **Disclosure can always be an issue -- goal is to anticipate issues and manage them versus being caught unaware**

- **Projected issues**

- **Export License requests for Technical Assistance Agreements and marketing licenses**
- **Marketing and sales of non-DoN selected design**
- **Marketing and sales of DoN selected design and subsystems**

Near term



Mid term

Foreign Sales

- **Clearly since LCS is in preliminary design, foreign sales will be a downstream issue.**
- **As with other DoN equipment and platforms, use of FMS versus DCS will be a function of customer choice, technologies involved and security considerations.**
- **Admittedly, given most countries' propensity for indigenous hull construction, sales will most likely**

Conclusion

- **Establishment of the NIID clearly on target**
- **Industry is at the heart of our strong military and communication is key to making our acquisition process efficient**
- **“Inquiring minds want to know” and should know. Let me know about subjects and issues you would like to see at future NIIDs**